Amendments

Please amend the above-identified U.S. application as follows:

In The Claims

Kindly enter the claim amendments, without prejudice, as set forth below. A complete listing of the claims is provided, with a parenthetical indication of the status of each claim, and markings to show current changes.

CLAIMS

- 1. (canceled)
- 2. (currently amended) The assembly of claim 14, wherein said support plate is substantially flat.
- 3. (currently amended) The assembly of claim 14, wherein said plate extension extends substantially orthogonally relative to said interior face of said support plate.
- 4. (currently amended) The assembly of claim 1, wherein:

A magnet mounting assembly for use in detachably mounting a device to a rounded ferromagnetic surface of a liquid storage tank, said assembly comprising:

- a ferromagnetic support plate including a central axis, and an interior face;
- a ferromagnetic plate extension depending from said interior face;
- a permanent magnet disposed on said interior face; and

said plate extension being sized and shaped with a plurality of axial heights relative to said plate, to form a plurality of legs having terminal edges, said edges being configured to engage the rounded ferromagnetic surface at a plurality of non-contiguous locations thereon;

said legs depending immovably from said support plate, wherein said support plate and said plate extension comprise a solid state device;

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wherein said legs are spaced from one another to provide clearance therebetween; said legs being substantially equidistantly spaced from one another; and said legs collectively forming less than or equal to 50% of a notional periphery of the assembly.

- 5. (currently amended) The assembly of claim $1\underline{4}$, wherein said edges define a geometry having a transverse dimension d disposed orthogonally to said axis, said edges are disposed at an oblique angle α relative to said transverse dimension, and a ratio of said transverse dimension d (in inches) to said angle α (in degrees) is within a range of about 1:0.5 to 1:2.
- 6. (currently amended) The assembly of claim <u>14</u>, comprising a V-block, wherein said edges of said legs define at least a pair of mutually intersecting planes forming a V-groove.
- 7. (original) The assembly of claim 6, comprising one or more V-grooves configured to contact said rounded ferromagnetic surface tangentially in four non-contiguous locations on said rounded magnetic surface.
- 8. (original) The assembly of claim 6, wherein said planes of said one or more V-grooves are disposed at an angle α of from 1 to 4 degrees relative to a plane orthogonal to said axis.
- 9. (original) The assembly of claim 8, wherein said angle is from 2 to 3 degrees.
- 10. (original) The assembly of claim 6, comprising two legs.
- 11. (original) The assembly of claim 10, comprising four legs.
- 12. (withdrawn) The assembly of claim 10, wherein said plate extension extends continuously about said periphery.

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- 13. (original) The assembly of claim 6, wherein axial heights of said planes are greater than an axial height of said magnet.
- 14. (original) The assembly of claim 13, wherein said magnet is free of said mutually intersecting planes.
- 15. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said periphery of said support plate is rounded in a transverse plane orthogonal to said axial direction.
- 16. (currently amended) The assembly of claim 14, wherein said periphery of said support plate is substantially circular in said transverse plane.
- 17. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said rounded ferromagnetic surface is an exterior surface of a storage tank.
- 18. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said rounded ferromagnetic surface is cylindrical.
- 19. (currently amended) The assembly of claim 4_4, wherein said rounded magnetic surface is spherical.
- 20. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said magnet is bonded to said interior face of said support plate with an adhesive.
- 21. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said magnet is a ceramic disc magnet.
- 22. (currently amended) The assembly of claim 14, wherein said support plate comprises a mounting aperture.

- 23. (currently amended) The assembly of claim $\pm \underline{4}$, wherein said support plate comprises an alignment aperture.
- 24. (currently amended) The assembly of claim $\frac{1}{4}$, wherein said support plate and said plate extension comprise a metal selected from the group consisting of iron and nickel.
- 25. (currently amended) The assembly of claim 14, wherein said support plate and said plate extension are sized and shaped to direct the flux from said magnet to said terminal edges.
- 26. (currently amended) The assembly of claim 14, wherein said support plate and said plate extension comprise a non-sparking surface layer.
- 27. (original) The assembly of claim 26, wherein said non-sparking surface layer is selected from the group consisting of brass and stainless steel.
- 28. (currently amended) A method of detachably mounting a device to a rounded magnetic surface, said method comprising:

providing a magnet mounting assembly of the type set forth in claim $\frac{1}{4}$; providing a device;

disposing the device on an exterior face of the support plate to form a magnetic mounting device; and

engaging said magnetic mounting assembly with a rounded magnetic surface, wherein the terminal edges of the legs contact the rounded magnetic surface in a plurality of non-contiguous locations thereon.

29. (currently amended) The method of claim 28, wherein the flux from said magnet is directed to the terminal edges of said four legs.

- 30. (original) The method of claim 28, wherein said plate extension comprises a V-block including one or more V-grooves, wherein the one or more V-grooves engage the rounded magnetic surface tangentially at a plurality of non-contiguous locations thereon.
- 31. (original) The method of claim 28, wherein said device is a measurement device.
- 32. (original) The method of claim 28, wherein said support plate includes an aperture, and said disposing comprises disposing the device to the exterior face of the support plate with a fastener extending through the aperture.
- 33. (original) The method of claim 32, wherein said support plate includes an alignment aperture, and said disposing comprises aligning a portion of the device with the alignment aperture.
- 34. (withdrawn) A measurement device/storage tank assembly comprising:
 - (i) a storage tank having an exterior rounded ferromagnetic surface;
 - (ii) a magnetic mounting measurement device disposed on said storage tank, said magnetic mounting measurement device including a measurement device and a magnet mounting assembly fastened thereto, said magnet mounting assembly including:
 - (a) a ferromagnetic support plate having a periphery, an exterior face, an interior face, and a plate extension disposed on said periphery, said plate extension being on the same side of said support plate as said interior face and having a plurality of heights, wherein said plate extension comprises four legs having heights greater than the heights of the remainder of said plate extension; and
 - (b) a permanent magnet disposed on said interior face of said support plate; wherein terminal edges of said four legs are engaged with said rounded magnetic surface

at four non-contiguous locations thereon.

- 35. (withdrawn) The assembly of claim 34, said plate extension comprising a V-block, wherein edges of said legs define at least a pair of mutually intersecting planes forming at least one V-groove, said V-groove being disposed in tangential engagement with said rounded magnetic surface.
- 36. (previously presented) A magnet mounting assembly for use in detachably mounting a device to a rounded ferromagnetic surface of a liquid storage tank, said assembly comprising:

a ferromagnetic support plate having a central axis, a perimeter, an exterior face, an interior face, and a ferromagnetic plate extension depending from said perimeter, said plate extension being on the same side of said support plate as said interior face and having a plurality of heights;

a permanent magnet disposed on said interior face; and

said plate extension including tank-engagable leg portions having axial heights greater than the axial heights of the remainder of said plate extension, wherein said tank-engagable leg portions are spaced from one another to provide clearance there between;

said tank-engagable leg portions being substantially equidistantly spaced from one another,

said tank-engagable leg portions collectively forming less than or equal to 50% of a notional periphery of the assembly; and

said plate extension and said legs depending immovable from said support plate, to form a solid state device.